



SAFETY DATA SHEET

50% THIRAM DISPERSION

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: 50% THIRAM DISPERSION

Product code: fTHIR/50A

Use / description of product: Contains: Tetramethylthiuram disulphide. For use in pesticide formulations.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: TETRAMETHYLTHIURAM DISULPHIDE 30-60%

[Xn] R20/22; [Xi] R36/37; [Sens.] R43; [Xn] R68;

3. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation and if swallowed. Irritating to eyes and respiratory system. May cause sensitisation by skin contact. Possible risk of irreversible effects.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: May cause sensitisation by skin contact.

Eye contact: Irritant

Ingestion: Harmful by ingestion. Please read the label and Material Safety Data Sheet.

Inhalation: If this dispersion is strongly heated it may release acidic fumes which are corrosive to the respiratory tract

4. FIRST AID MEASURES (ACTION)

Skin contact: If a person feels unwell after coming into contact with this dispersion then seek medical advice. Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation or sensitisation persists.

Eye contact: Irrigate with plenty of water. Seek medical advice

Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300ml warm water to drink. Seek medical attention immediately. Alcohol intolerance (Antabuse syndrome) may result from adsorption.

Inhalation: Remove patient to fresh air. Treat symptomatically and seek medical advice. In the unlikely event that this substance is inhaled (e.g. aspiration) then treat symptomatically and seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Do not use water jet

Exposure hazards: Thermal decomposition or burning may release oxides of carbon, phosphorous and

[cont...]

other toxic gases or vapours. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain water used for exting

Protection of fire-fighters: Respiratory Protective Equipment (RPE) must be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

Environmental precautions: Prevent contamination of drains/watercourses/vegetation. Advise police.

Clean-up procedures: Adsorb onto sand/earth/similar adsorbent material. Once clear, wash the spillage area clean with water and detergent. Shovel up into drums or suitable containers for disposal.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

Storage conditions: Store in closed containers, well protected from frost. Stir well before use.

Suitable packaging: Most packagaing suitable, avoid mild-steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Wear suitable respiratory protective equipment to prevent overexposure to mist.

Hand protection: Protective gloves. Water repellent barrier cream

Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Wear suitable protective clothing. Water-repellent barrier cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Flowable aqueous dispersion.

Odour: Slight

Viscosity: 300 - 900

Oxidising: No data

Evaporation rate: No data

Solubility in water: Miscible

Also soluble in: No data.

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: No data

upper: No data

Flash point°C: No data

Part.coeff. n-octanol/water: No data

Autoflammability°C: No data

Vapour pressure: No data

Relative density: 1.16 - 1.23

pH: 8.50 - 11.00

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Protect from frost and temperatures over 100oC.

Conditions to avoid: Extremes of temperature. Protect from frost.

Materials to avoid: Strong acids. Strong bases. Oxidising agents.

Haz. decomp. products: Thermal decomposition may release oxides of carbon, nitrogen and sulphur.

11. TOXICOLOGICAL INFORMATION

Effects of exposure May cause sensitisation by skin contact. Harmful if swallowed. Slight irritant to eyes and skin

Routes of exposure Eyes skin, mouth and nose

12. ECOLOGICAL INFORMATION

Mobility: Miscible with water.

Persistence and degradability: No data.

Bioaccumulative potential: No data.

Other adverse effects: No data.

13. DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with the local or national legislation. Mix or dissolve with a combustible material and burn in a chemical incinerator equipped with afterburners and scrubbers.

Disposal of packaging Incinerate residues only in officially approved incinerator. Dispose of empty containers only on dumps designated for special waste or at an incineration plant for industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R20/22: Harmful by inhalation and if swallowed.

R36/37: Irritating to eyes and respiratory system.

R43: May cause sensitisation by skin contact.

R68: Possible risk of irreversible effects.

Safety phrases: S24/25: Avoid contact with skin and eyes.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Additional information: For use in pesticide formulations.

Risk phrases used in s.2: R20/22: Harmful by inhalation and if swallowed.

R36/37: Irritating to eyes and respiratory system.

R43: May cause sensitisation by skin contact.

R68: Possible risk of irreversible effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Aquaspersions Limited shall not be held liable for any damage resulting from handling or from contact with the above product.